

INDUCTION OF TRICHOCYTE DERIVED FROM HUMAN HAIR PAPILLA CELL

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Inventor(s): SEKI TOSHIHIKO; SUZUKI JUN; OGO MASASHI; SOMA TSUTOMU; TAJIMA MASAHIRO

Applicant(s): SHISEIDO CO LTD

Requested Patent:

Application Number: JP19950322439 19951117

Priority Number(s):

IPC Classification: C12N5/06 ; A01K67/027

EC Classification:

Equivalents:

Abstract

PROBLEM TO BE SOLVED: To induce the subject induction capable of utilizing for hair growing and rearing examination, etc., of human hair by culturing a human hair papilla cell to prepare spheroid, inserting the spheroid into a rat-derived foot pad to transplant the foot pad fragment into a nude mouse and rearing the nude mouse.

SOLUTION: A human hair papilla cell collected from scalp of temporal region of human male obtained by by-product of orthopedic surgery is cultured into a culture medium to prepare spheroid and the spheroid is inserted between the epidermis and the conum of foot pad and the resultant foot pad fragment is transplanted between the kidney of a nude mouse and its covering membrane and then, the transplanted animal is reared and trichocyte is formed in the transplanted foot pad to induce the objective trichocyte derived from human hair papilla cell capable of utilizing for hair growing and rearing examination, etc., of human hair and used also for factor having hair rearing action on human hair.

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(54)【発明の名称】ヒト毛乳頭細胞由来の毛包誘導

(57)【要約】

【課題】ヒト毛乳頭細胞の培養法の確立、および得られる培養細胞の動物への移植による毛包の誘導法の提供。

【解決手段】ヒト毛乳頭細胞の培養によりスフェロイドを作製し、次いでこのスフェロイドを挿入したフットパッド片をヌードマウスに移植して、該ヒト毛乳頭細胞からの毛包の誘導。